

THE COMPETING SYSTEMS

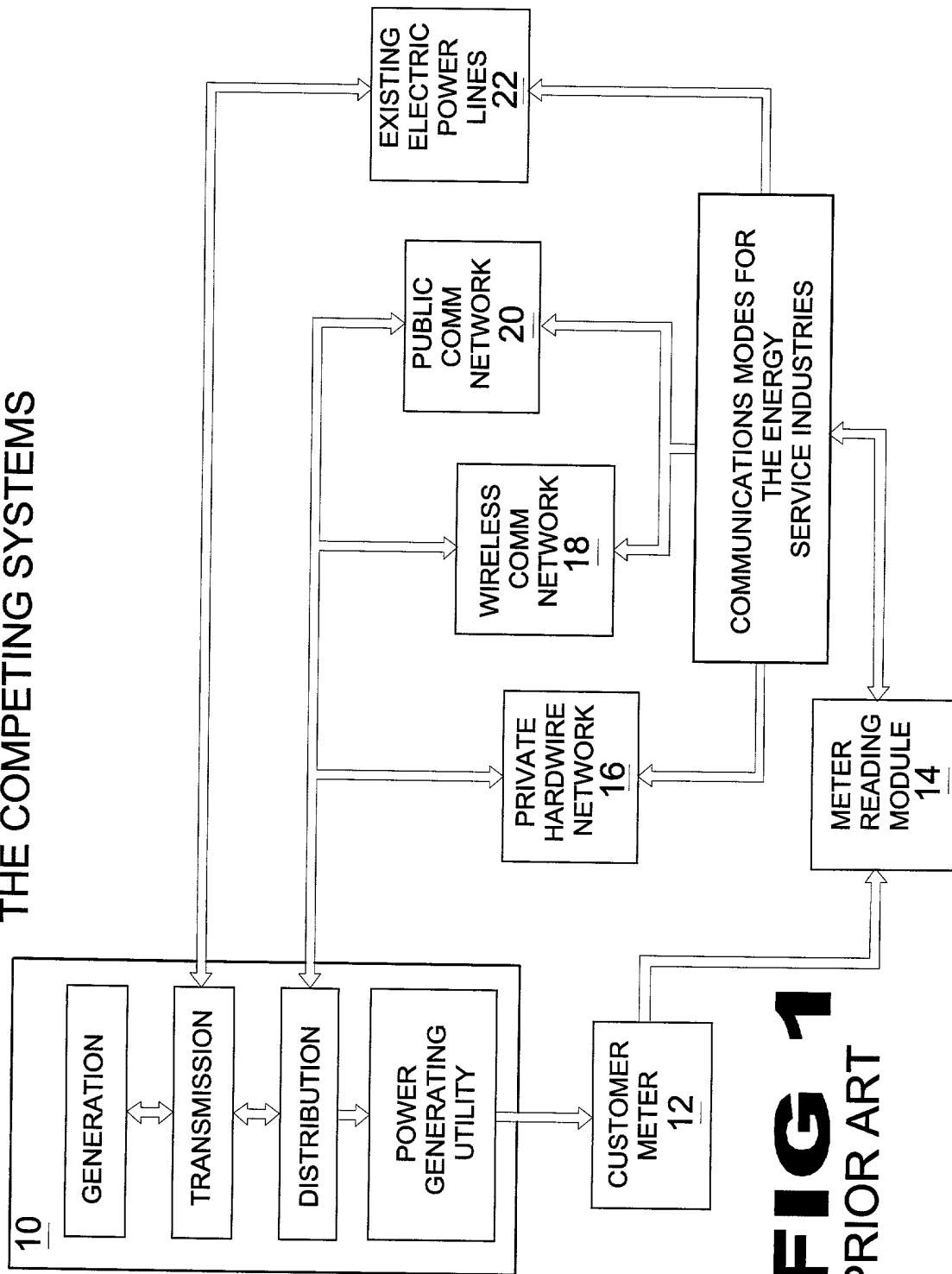


FIG 1
PRIOR ART

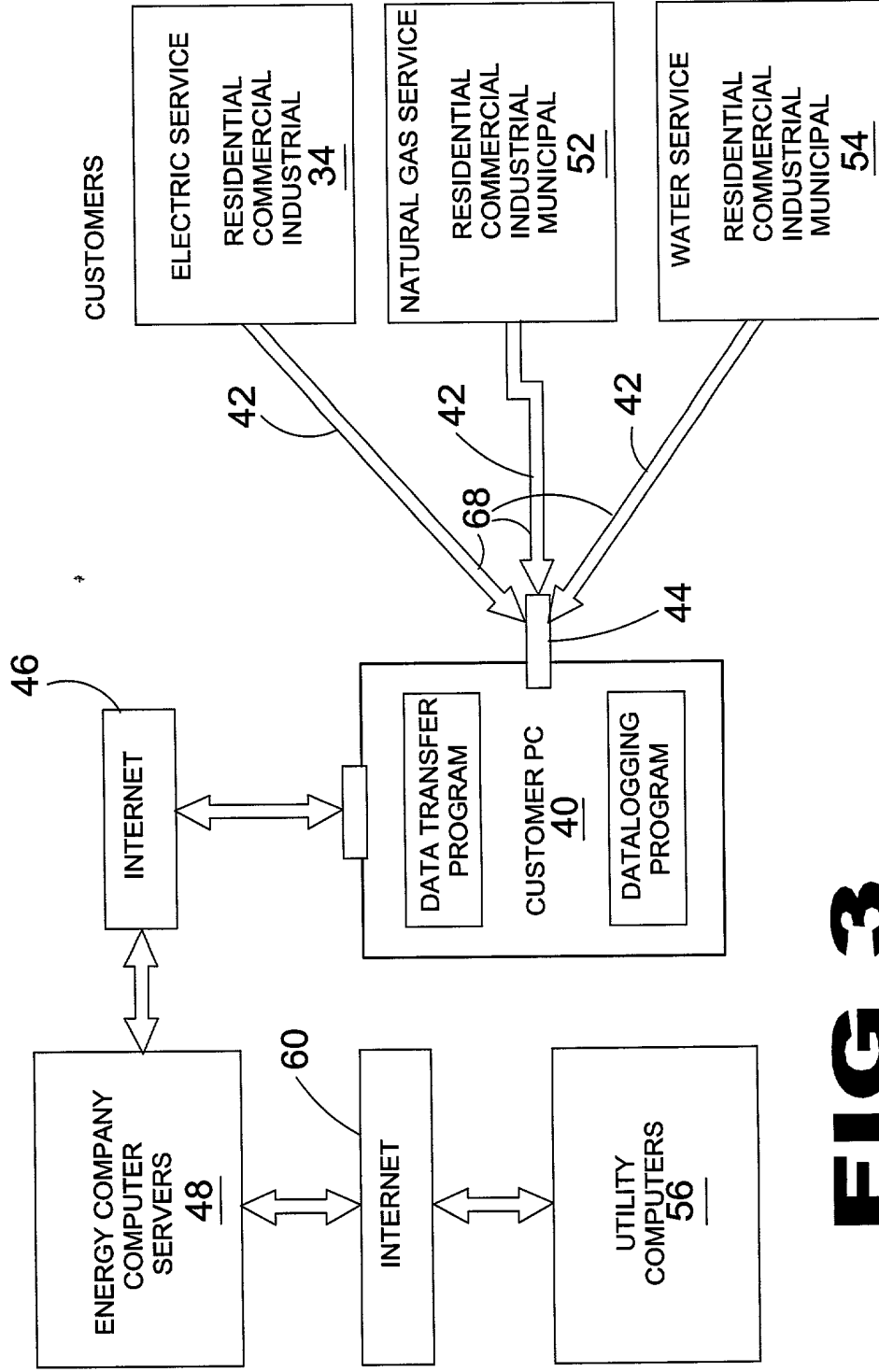


FIG 3

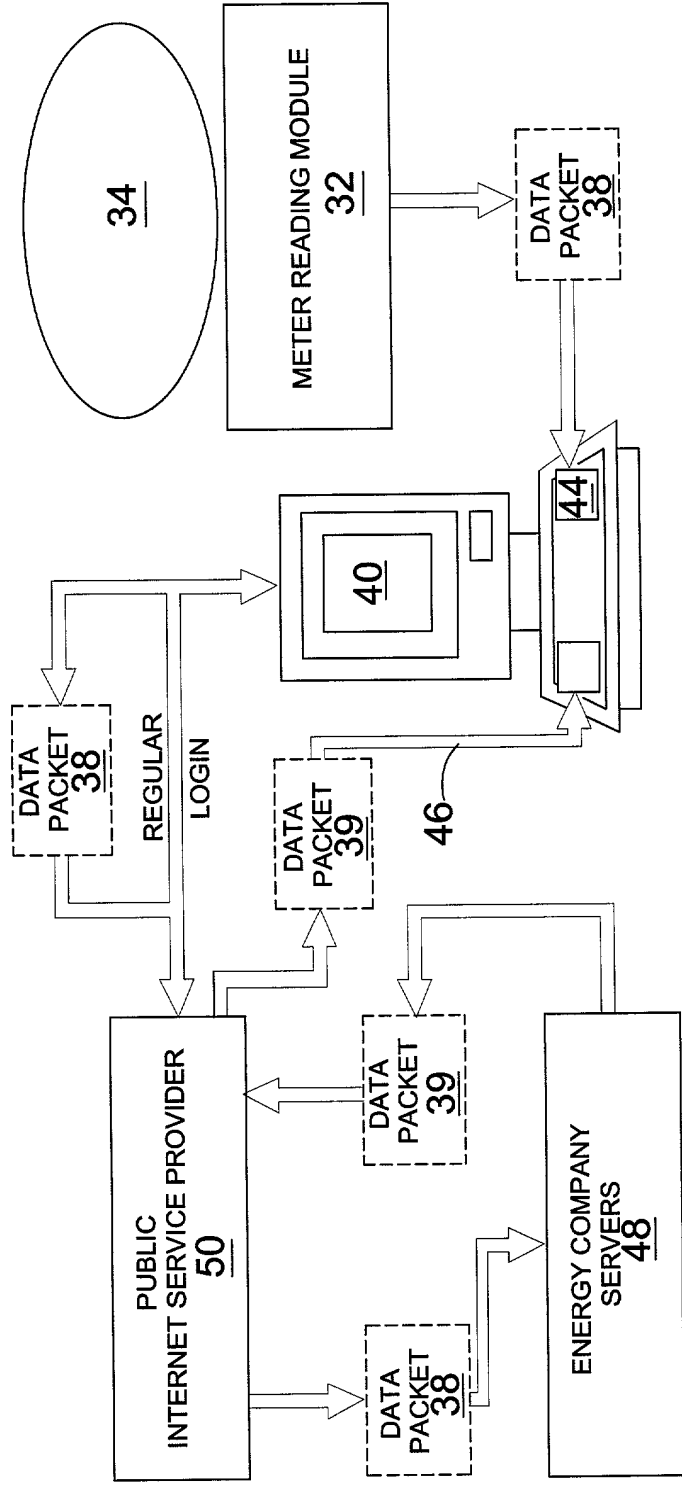


FIG 4

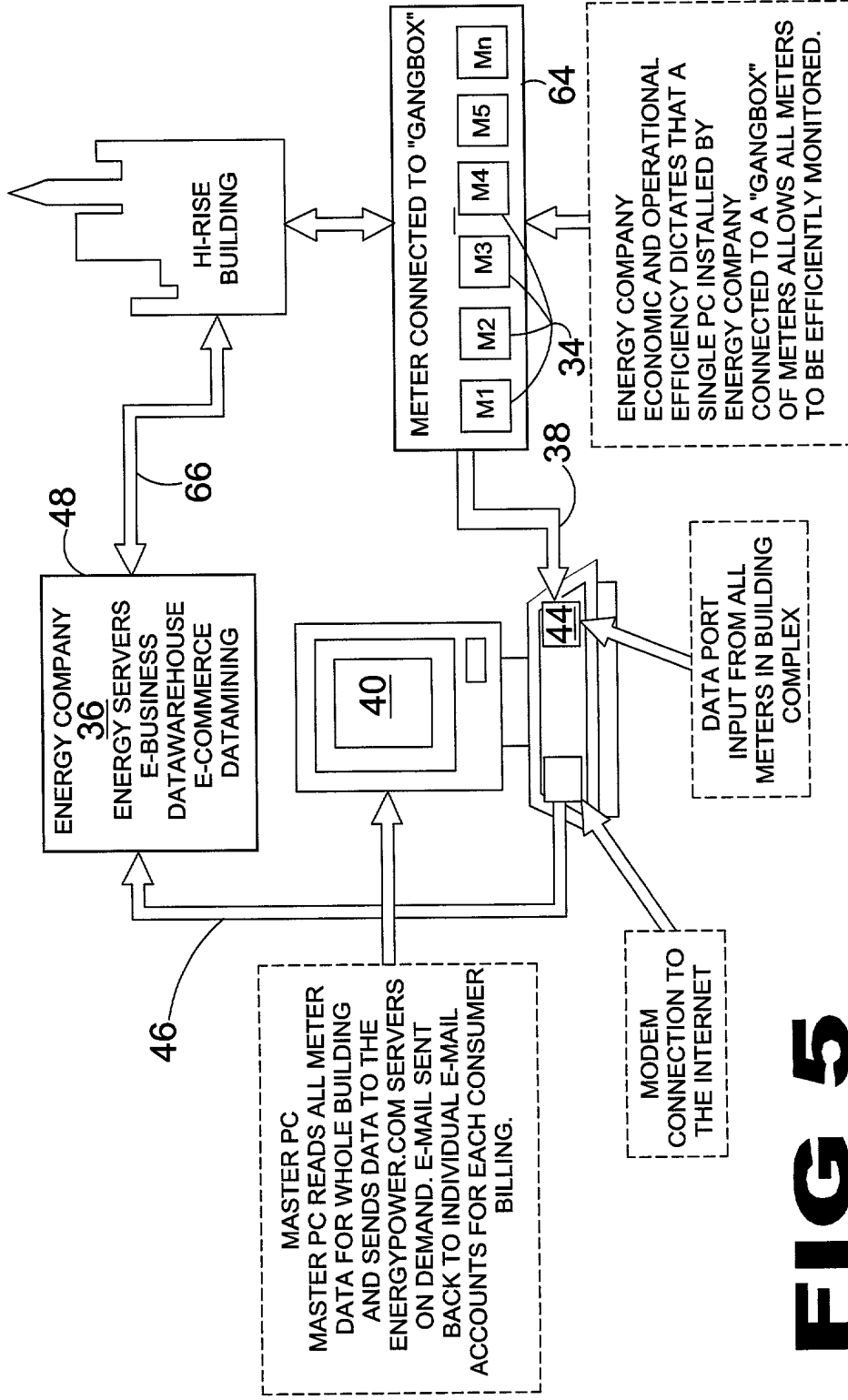
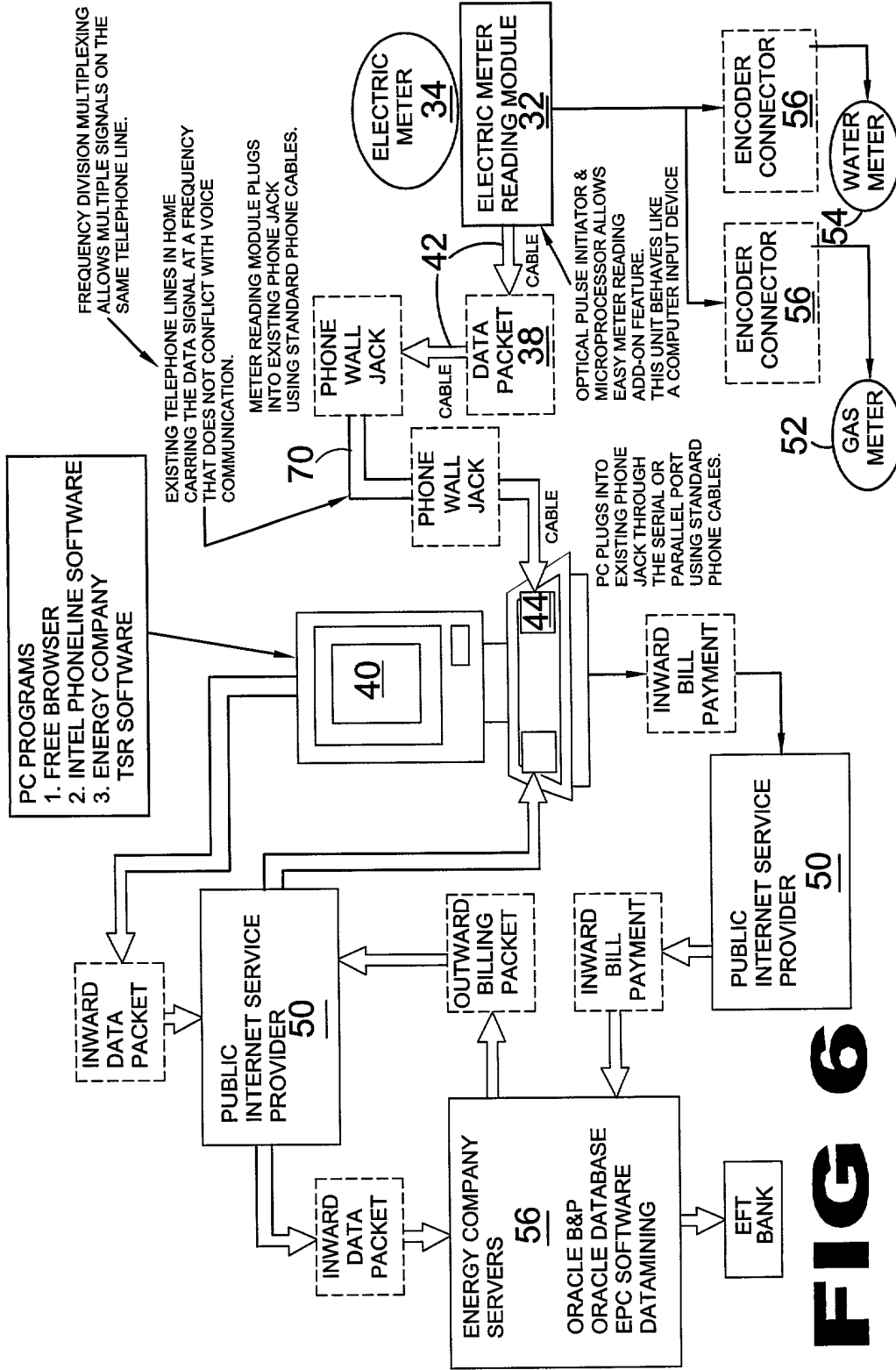


FIG 5



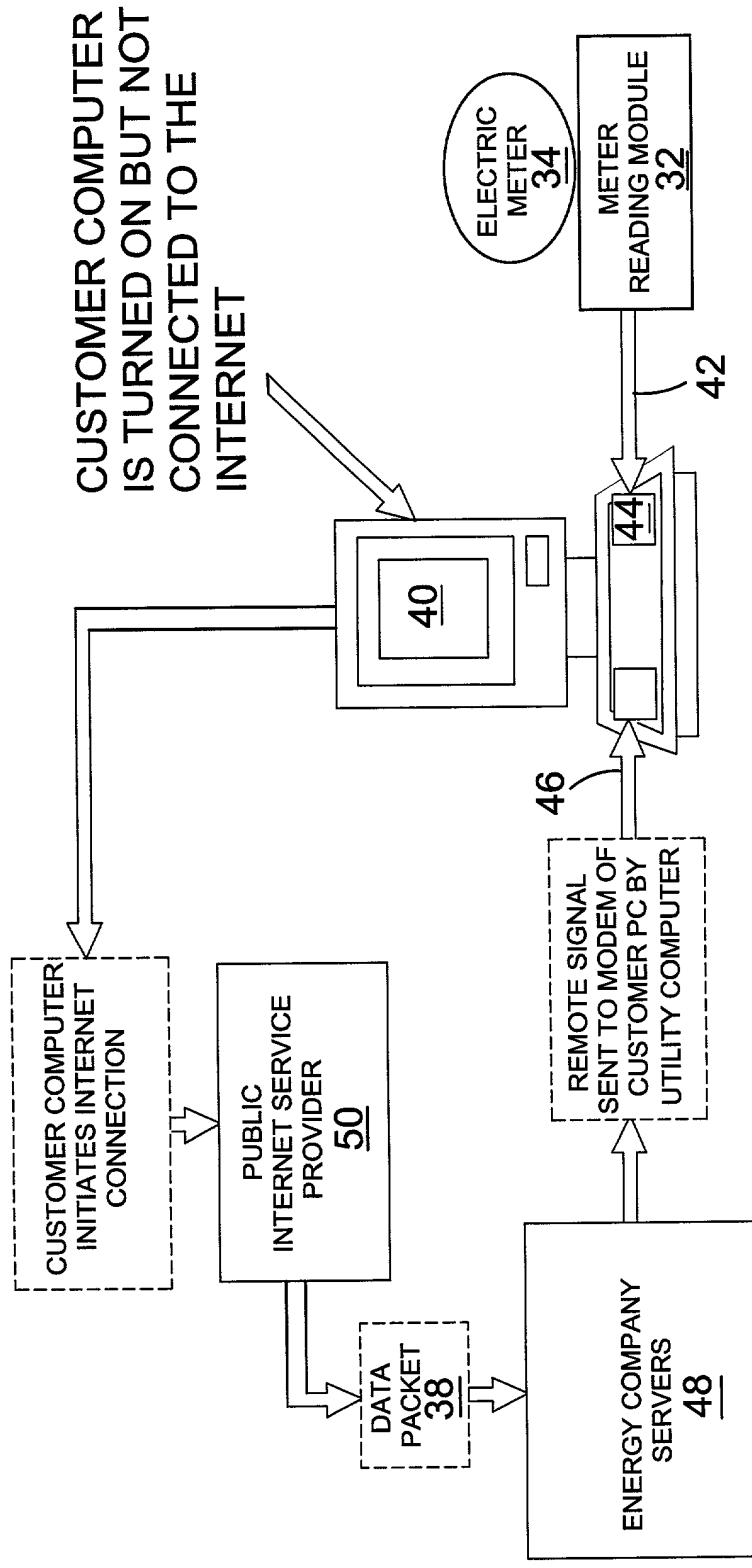


FIG 8

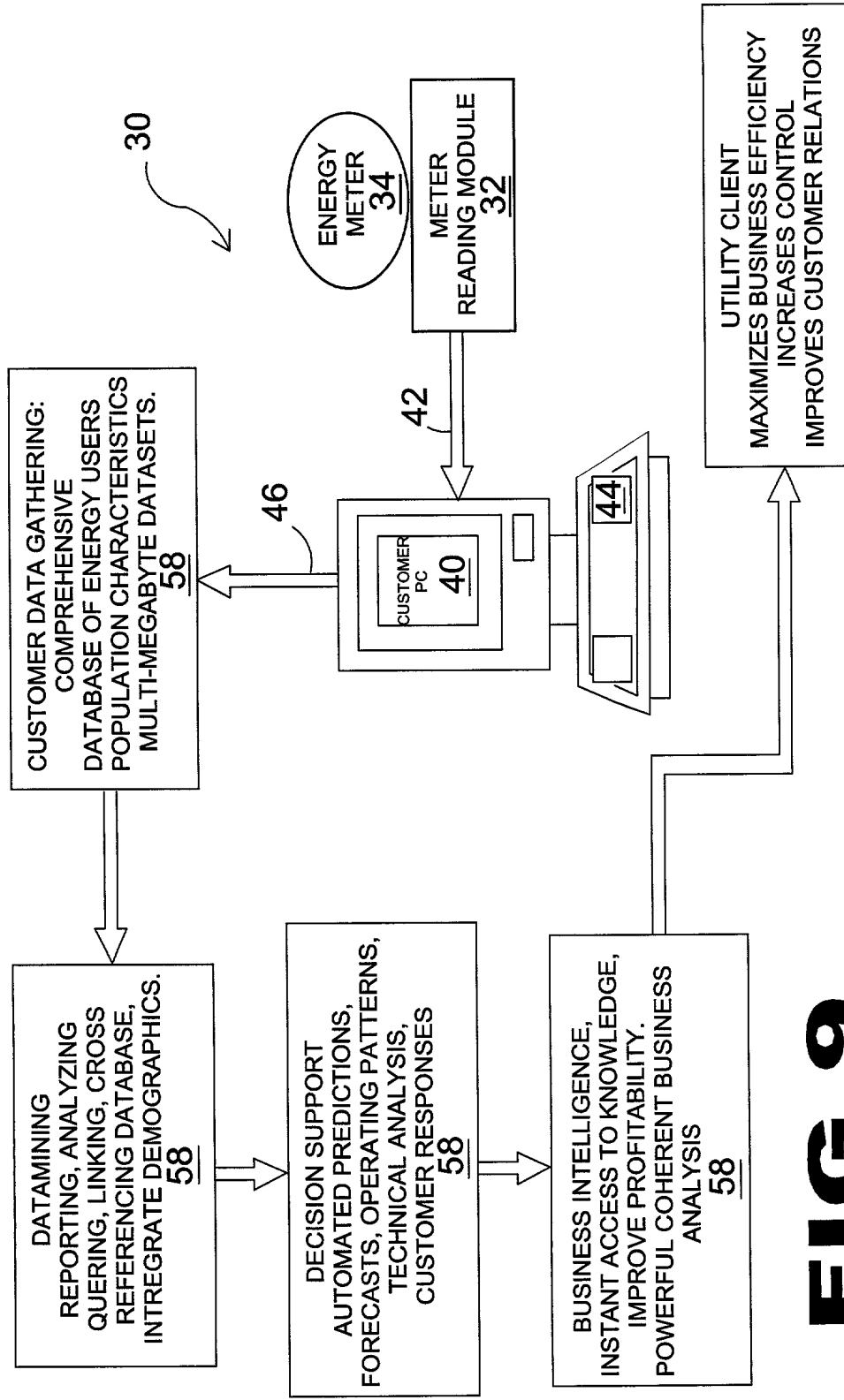


FIG 9

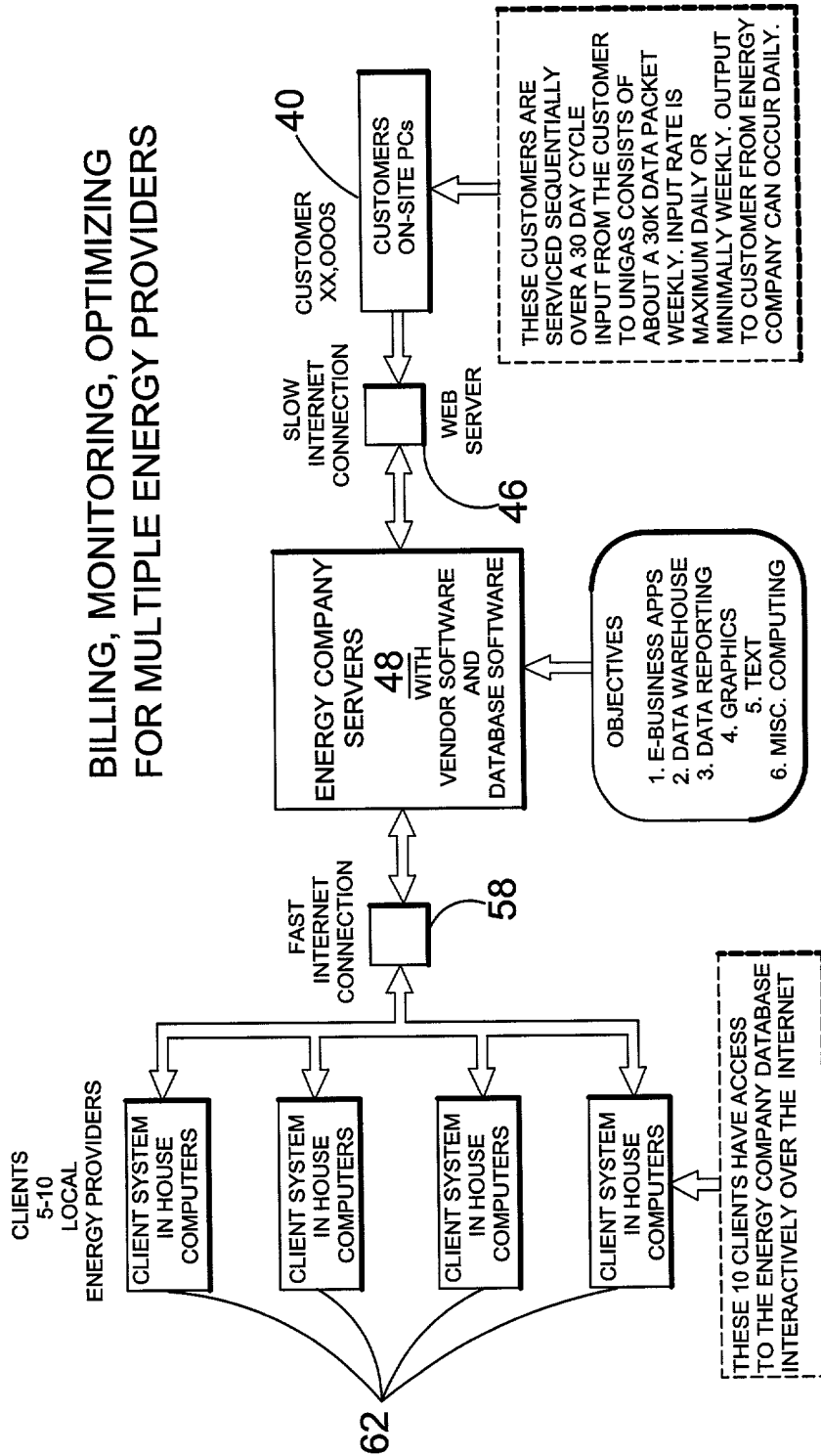


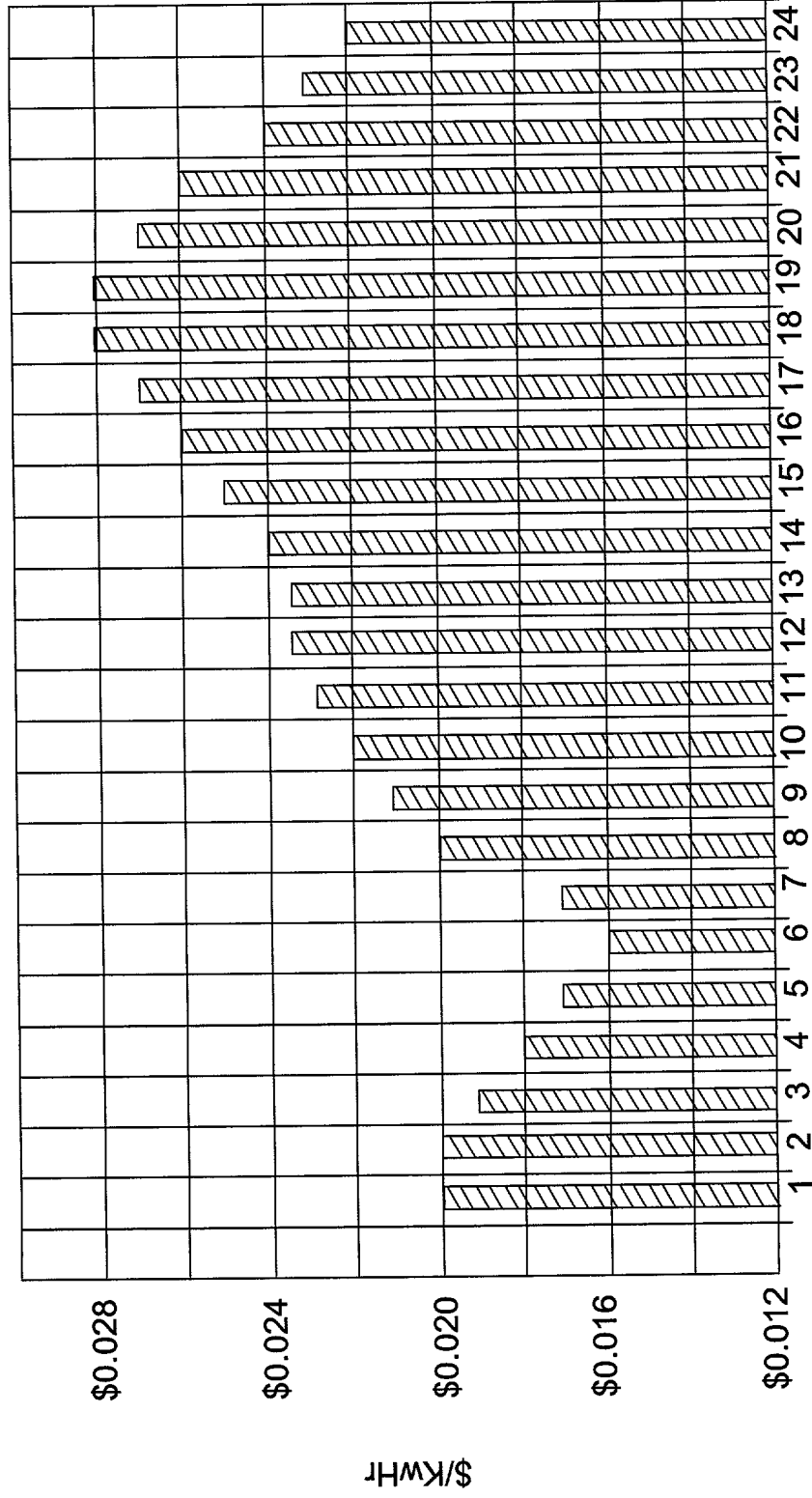
FIG 11


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graph TD; A["(1) E-BILLING TO CUSTOMER"] --> B["E-BILL VIEWED ON CUSTOMER PC WITH FREE BROWSER"]; A --> C["E-BILL GENERATED BY UTILITY OR ENERGY COMPANY"]; A --> D["E-BILL BY E-MAIL TO CUSTOMER PC AT HOME"]; A --> E["E-BILL REVIEW BY CUSTOMER AND COPY PRINTED FOR RECORDS"]; A --> F["E-BILL PAID ONLINE BY CUSTOMER USING ENERGY COMPANY SYSTEM"]; A --> G["E-DEPOSIT FUNDS TO ENERGY COMPANY"]; A --> H["E-TRANSFER FUNDS TO UTILITY COMPANY"]; A --> I["(II) E-REMINDER @ 30 DAYS"]; A --> J["(III) E-VOICE REMINDER @ 40 DAYS"]; A --> K["(IV) E-PHONE MESSAGE @ 60 DAYS"]; A --> L["(V) E-LETTER @ 65 DAYS"];
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The flowchart illustrates the E-billing process. It begins with a central box labeled "(1) E-BILLING TO CUSTOMER". From this box, a vertical line descends, with arrows pointing to various steps. The first step is "E-BILL VIEWED ON CUSTOMER PC WITH FREE BROWSER", which is in a separate box at the top right. The main vertical line then branches into several options: "E-BILL GENERATED BY UTILITY OR ENERGY COMPANY", "E-BILL BY E-MAIL TO CUSTOMER PC AT HOME", "E-BILL REVIEW BY CUSTOMER AND COPY PRINTED FOR RECORDS", "E-BILL PAID ONLINE BY CUSTOMER USING ENERGY COMPANY SYSTEM", "E-DEPOSIT FUNDS TO ENERGY COMPANY", and "E-TRANSFER FUNDS TO UTILITY COMPANY". Below these, the vertical line continues with arrows pointing to reminder steps: "(II) E-REMINDER @ 30 DAYS", "(III) E-VOICE REMINDER @ 40 DAYS", "(IV) E-PHONE MESSAGE @ 60 DAYS", and "(V) E-LETTER @ 65 DAYS".

FIG 13

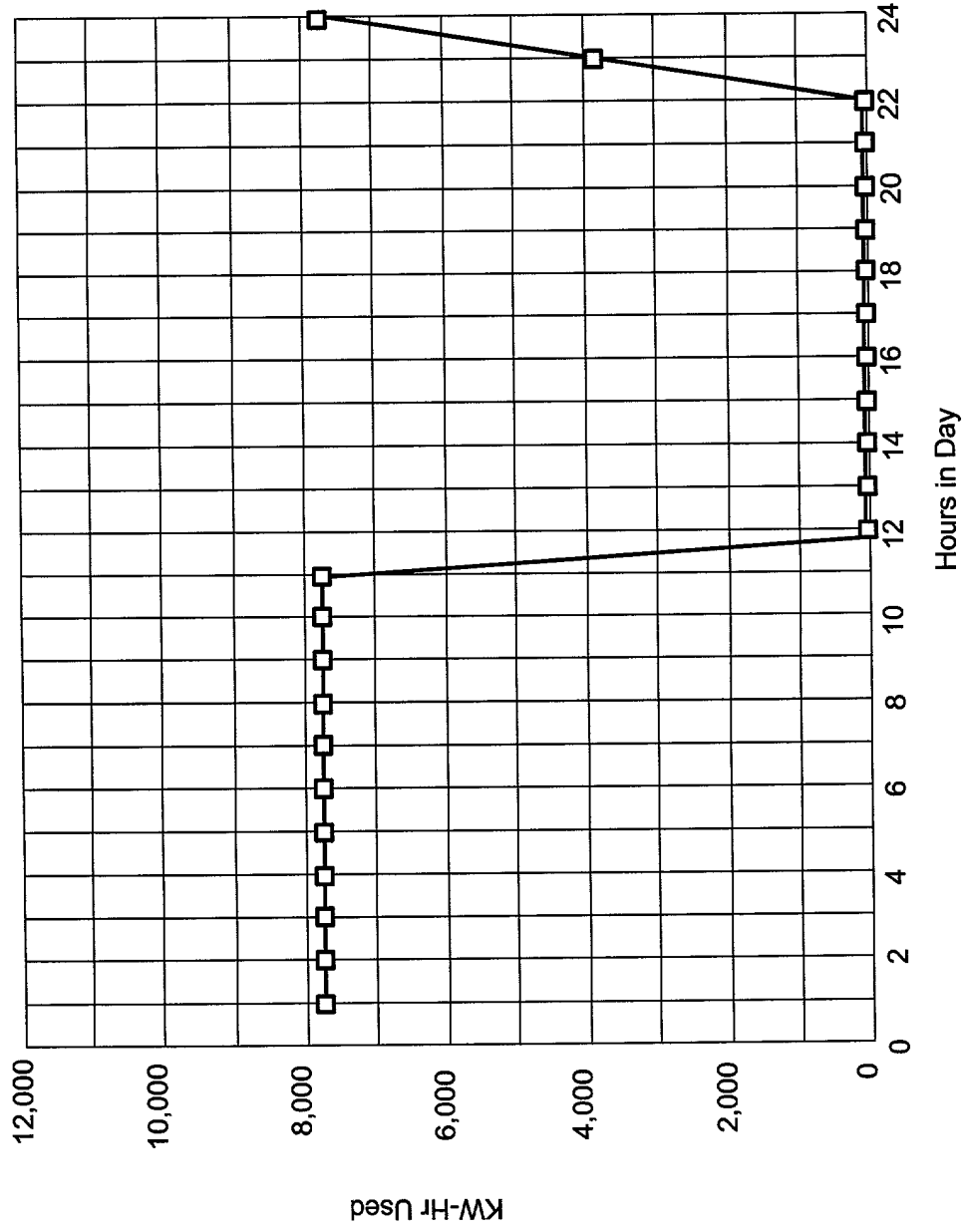
\$/Kw-hr: POWER REAL TIME PRICING



Hours in Day

FIG 14

Kw-Hr: REAL TIME POWER USE



Hours in Day
FIG 15

REAL TIME POWER COSTS-\$\$/HR

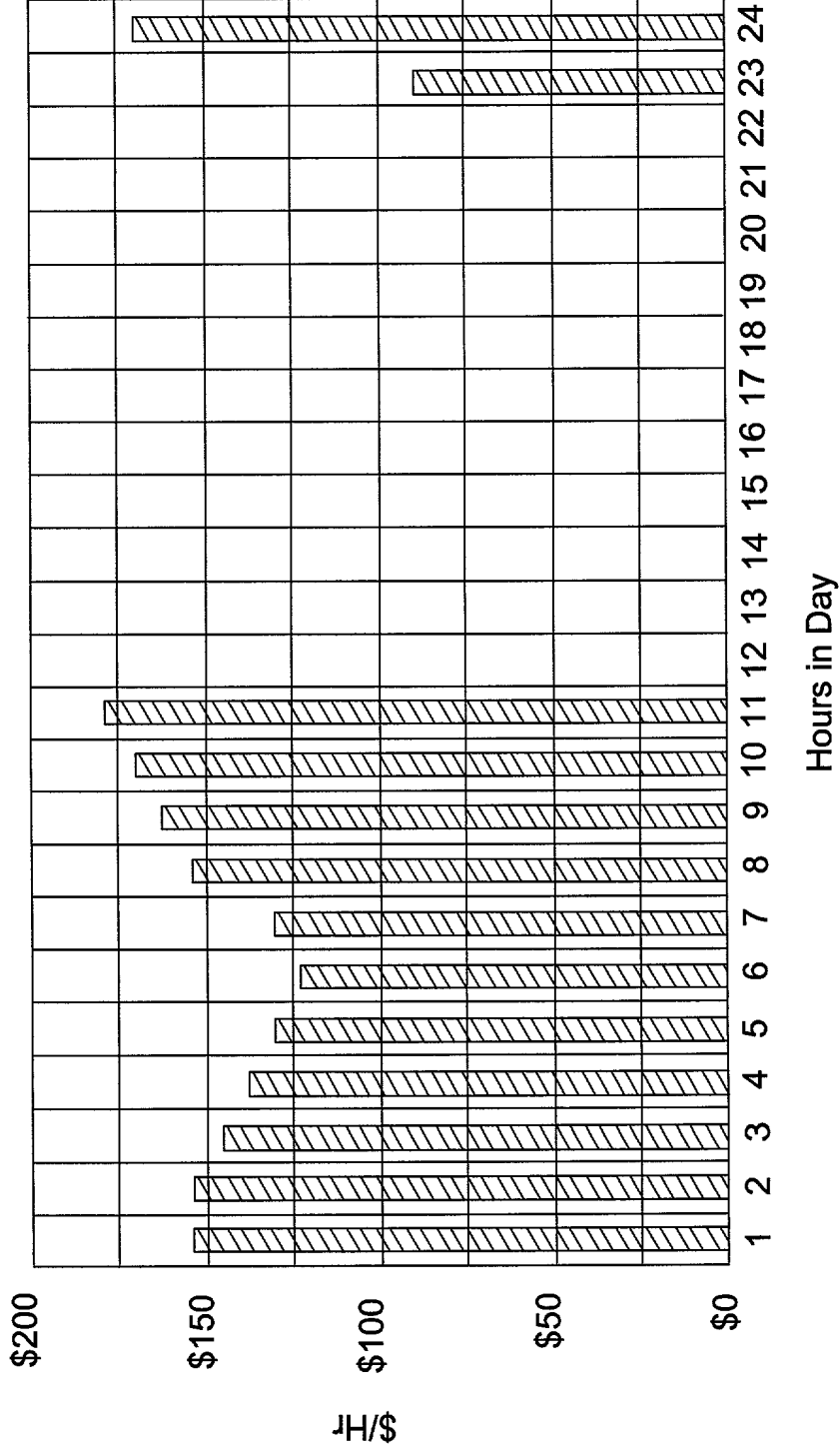


FIG 16